

REMARKS

Applicants have canceled claims 1-25, and have added new claims 26-41. Independent claim 26 recites a nucleic acid molecule containing a nucleotide sequence that (a) has at least 85 percent identity to SEQ ID NO:62, (b) encodes an amino acid sequence with at least 85 percent identity to SEQ ID NO:63, or (c) is fully complementary to the nucleic acid sequence of (a) or (b). Dependent claim 30 recites that the nucleic acid molecule contains a nucleotide sequence that (a) has at least 95 percent identity to SEQ ID NO:62, (b) encodes an amino acid sequence with at least 95 percent identity to SEQ ID NO:63, or (c) is fully complementary to the nucleic acid sequence of (a) or (b). Claims 27-28 and 31-32 recite that the nucleic acid molecule further contains a gag coding sequence and an env coding sequence, and that a pol coding sequence contains the claimed nucleic acid molecule. Claims 29 and 33-41 recite transformed seeds and plants containing the claimed nucleic acids. Support for these new claims can be found in the original claims and also in the specification at, for example, page 38, lines 5-6, and page 42, lines 5-32. In addition, the application provides examples of the nucleotide sequences and the encoded amino acid sequences in SEQ ID NO:58, SEQ ID NO:60, SEQ ID NO:62, SEQ ID NO:64, SEQ ID NO:74, and SEQ ID NO:76. No new matter has been added.

Applicants respectfully request that claims 26-41 be examined. Enclosed is a check for the filing fee. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

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